

Receiving Report

Date: 12/2/15
 Supplier: THYSON

Batch No: 13120708
 Dart P/O: 16165

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection 12/2/15 N/A ☐
 Work Order N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
U01R	P40. POU R	30				
	NEW TUBES					

Initials of receiver (if shipment OK) Level 12

Production/Admin: 12/2/15
 Date
 Received/Costing
 Initial

Location

Purchase Order Receipt Listing

Wednesday, February 15, 2012 8:36:32 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO16165 Receipt Dates from 2/15/2012 to 2/15/2012 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO16165	2		M303R0.250	f	2/17/2012	2/15/2012	12.0000	\$2.08	0.0000	0	\$24.93
CAD	No		303 Round Bar	f	12.0000	DESI02		\$24.93	0.0000	0	
			0.250"								
			120708								
	3		M6061T6B2.500X03.500	f	2/17/2012	2/15/2012	8.0000	\$21.98	0.0000	0	\$175.83
	No		6061-T6 Bar 2.50 x 3.50	f	8.0000	DESI02		\$175.83	0.0000	0	
			120708								
	4		M6061T6B1.000X06.000	f	2/17/2012	2/15/2012	12.0000	\$14.31	0.0000	0	\$171.72
	No		6061T6 BAR 1.00 X 6.00	f	12.0000	DESI02		\$171.72	0.0000	0	
			120708								
	5		M6061T6B0.500X02.000	f	2/17/2012	2/15/2012	24.0000	\$2.45	0.0000	0	\$58.87
	No		6061-T6 Bar .500 x 2.00	f	24.0000	DESI02		\$58.87	0.0000	0	
			120708								
	7		M6061T6R2.000	f	2/17/2012	2/15/2012	12.0000	\$7.65	0.0000	0	\$91.78
	No		6061T6 ROUND BAR 2.00	f	12.0000	DESI02		\$91.78	0.0000	0	
			120708								
	8		M6061T6R3.500	f	2/17/2012	2/15/2012	12.0000	\$23.43	0.0000	0	\$281.21
	No		6061 RD bar 3.50	f	12.0000	DESI02		\$281.21	0.0000	0	
			120708								
			M6061T6R0.375	f	2/17/2012	2/15/2012	24.0000	\$1.04	0.0000	0	\$24.93
			6061-T6 Round Bar .375"	f	24.0000	DESI02		\$24.93	0.0000	0	
			120708								

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 9057389033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

No: PEC 752739
Ship Date 14Feb12 at 9:03 From PFW

Ship Date 14Feb12 at 9:03 From PFW
Via O/T
FOB CONCORD
Frt PREPAID
Route 0 - 0 Manifest
Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC-418885- 1 Your PO # 16165
ALUMINUM FLAT BAR 6061-T6511
2.50" x 3.50" x 96.0000"
Heat Number Z00109010
Tag No 36762

2) Our Order PEC-418885- 2 Your PO # 16165
ALUMINUM FLAT BAR 6061-T6511
1.00" x 6.00" x 144.0000"
Heat Number Z00090016
Tag No 36801

3) Our Order PEC-418885- 3 Your PO # 16165
ALUMINUM FLAT BAR 6061-T6511
.50" x 2.00" x 144.0000"
Heat Number Z00264026
Tag No 36802

4) Our Order PEC-418885- 4 Your PO # 16165
STAINLESS STEEL ROUND BAR 303 STAINLESS
.250" DIA X 144.0000"
Heat Number B2C8
Tag No 36803

5) Our Order PEC-418885- 5 Your PO # 16165
ALUMINUM ROUND BAR 6061-T6511
2.00" DIA X 144.0000"
Heat Number 15177
Tag No 36804

Page: 1 ...Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
TVO/CST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

12/2/12

12/2/12

(5)

Wt LBS 44
PCS 1
Quantity 12 FT
MTR

Wt LBS 2
PCS 1
Quantity 12 FT
MTR

Wt LBS 28
PCS 2
Quantity 24 FT
MTR

Wt LBS 84
PCS 1
Quantity 12 FT
MTR

Wt LBS 83
PCS 1
Quantity 8 FT
MTR

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
------------------------------------	-----------------------------	------------	--	----------------------	-------------------------------	----------------------	-------------------------	------------------------------	--	-------------------------------	----------

Total Received Quantity: 104.0000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$829.27
 Total Balance Due Quantity: 0.0000

DATE

12/1/95

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
 RAPORTEES IMMEDIATEMENT
 ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
 RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

1 Bdl / planche
[Signature]

Page: 2 ... Continued

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA

TOTAL 2 BDLS G.W 388 LBS

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

ATTN: CHANTAL/LINDA
 TO SHIPPING.
 WILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

Heat Number
 15177
 B2C8
 C7331032
 Z00090016
 Z00109010
 Z00158033
 Z00264026

*** Chemical Analysis ***

12/1/95

TOTAL: Tags 7 PCS 9 LBS 380

Heat Number Z00158033 Tag No C7331032 36806	Quantity PCS 24 FT 2	Wt LBS 3
Heat Number Z00158033 Tag No 36805	Quantity PCS 12 FT 4	Wt LBS 136

MTR
[Signature]
MTR

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 9057389033

Ship To: (1)
 DART AEROSPACE

Ship Date: 14Feb12 at 9:03 From PFW
 No: PEC 752739

Ship Date: 14Feb12 at 9:03 From PFW
 No: PEC 752739

Route: 0 - 0 Manifest
 Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Probill
 Via O/T
 FOB CONCORD
 FRT PREPAID

DATE

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ETRE
RAPPORTEES IMMEDIATEMENT
ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER

Page: 3 ... Last

CONCORD, ONT. *** 9:00 AM TO 4:00 PM ***
*** TEL. 800-926-2600 ***

WE STOCK STAINLESS STEEL
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT

*** PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5G6
Tel: 905 669 9444 Fax: 9057389033
Ship To: (1) DART AEROSPACE

No: PEC 752739
Ship Date: 14Feb12 at 9:03 From PFW
Ship Date: 14Feb12 at 9:03 From PFW
Via O/T
FOB CONCORD
Frt PREPAID
Route 0 - 0 Manifest
Vncle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115) DART AEROSPACE

B I L L O F L A D I N G

Certificate of Mill Test Results

14Feb12 Pg 1/1

BL PEC-752739-001

Signed by:

PO/Rol 16165
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

PART NO. 250" X 3.50" X 96.0000"

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-236318-4		CUSTOMER PART NUMBER: ALREC00186		PRODUCT DESCRIPTION: KAISERSELECT SC MANIFOLD BAR 2.50 X 3.50	
KAISER ORDER NUMBER: 612152	LINE ITEM: 004	SHIP DATE: 01/27/2012	KAISER LOT NUMBER: Z00109010	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 996.000 LB	QUANTITY: 8,000 PCS	B/L NUMBER: 602493	SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00109010	CC01	1	57.9	55.7	15.7	RE 95	N/A	N/A
Z00109010	0002	1	57.7	55.4	15.4	RE 89	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	EA	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101026	.73	.40	.32	.09	.52	.10	.06	.03	.00	.00	.00	.01	.03

Applicable Requirements:

MANIFOLD BAR, SPECIAL STENCIL PER ASTM-B221-08, STENCILED PER AMS-QQ-A-200/8
ASME-SB221 1998 SECT. II YEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511 ELEVATED
MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 39.0 KSI MIN
ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA WELDED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown or Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

[Signature]

Plant Serial: 00027301
Kaiser Order Number: 612152
Line Item: 004

BL PEC-752739-002

Signed by:

PO/Rel 16165
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

DART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
1.00" x 6.00" x 144,0000"

PART NO.

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-234331-8		CUSTOMER PART NUMBER: ALREC00023		PRODUCT DESCRIPTION: 1.000 X 6.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 008	SHIP DATE: 1/18/2011	KAISER LOT NUMBER: Z00090016	ALLOY: 6061	TEMPER: T6511B	
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 12,000 PCS	B/L NUMBER: 601931	DIA/DIAF/TH/KS: 12.000 FT	WIDTH: 6.000 FT	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00090016	0001	1	49.7	45.6	17.1	N/A	N/A	N/A
Z00090016	0001	2	50.9	46.4	16.4	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	SI	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	EA	TOT
Maximum	0.60	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
100960	.71	.32	.27	.08	.93	.09	.04	.03	.00	.00	.00	.01	.03

Applicable Requirements:

PER ASTM-B221-03, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 UNS#6061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/W6 ELONGATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Alex Yeh

Certificate of Mill Test Results

14Feb12 Pg 1/2

BL PEC-752739-003

Signed by:

THYSSENKRUPP MATERIALS NA
PART AEROSPACE
ALUMINUM PLAT BAR 6061-T6511
50" x 2.00" X 144.0000"
PART NO.

PO/REL 16165
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

CERTIFIED TEST REPORT
<http://online.kaiseraluminum.com>

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: B21/STK		PRODUCT DESCRIPTION: 500 X 2.000 SC RECT BAR	
SHIP DATE: 01/27/2012		KAISER LOT NUMBER: 6061	
QUANTITY: 144,000 PCS		B/L NUMBER: 602493	
WEIGHT SHIPPED: 2032.000 LB		SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA	
KAISER ORDER NUMBER: 611473		TEMPER: T6511	
LINE ITEM: 003		LENGTH: 12,000 FT	

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00264026	0001	1	45.2	41.8	18.9	RE	94	N/A
Z00264026	0002	2	45.9	42.3	18.6	RE	90	N/A
Z00264026	0002	1	45.4	40.5	18.2	RE	97	N/A
Z00264026	0002	2	45.7	40.5	18.2	RE	96	N/A
Z00264026	0002	3	45.6	40.8	17.4	RE	96	N/A
Z00264026	0002	4	46.1	41.4	17.4	RE	96	N/A
Z00264026	0002	5	44.5	39.6	18.1	RE	940	N/A
Z00264026	0002	6	44.4	39.1	15.1	RE	960	N/A
Z00264026	0002	7	44.7	40.5	19.0	RE	96	N/A
Z00264026	0002	8	45.6	40.5	18.9	RE	96	N/A
Z00264026	0002	9	45.8	40.4	18.1	RE	97	N/A

Chemical Composition (wt%), Aluminum Remainder

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ba	Tot
0.80	0.70	0.15	1.20	0.35	0.25	0.15	0.00	NA	NA	NA	0.05	0.15
0.40	0.00	0.15	0.80	0.04	0.00	0.00	0.02	NA	NA	0.00	0.00	0.00
0.75	0.22	0.29	0.09	0.95	0.10	0.02	0.02	0.00	0.00	0.00	0.01	0.03

Applicable Requirements:

ASTM-B221-08-STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 UNS#96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA WELDED IN USA

Plant Serial: 00027307
Kaiser Order Number: 611473
Line Item: 003

THYSSENKRUPP MATERIALS NA

PART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.50" x 2.00" x 144.0000"

PART NO.

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

PO/Rel 16165

Signed by:

BL PBC-752739-003

14Feb12 Pg 2/2

Certificate of Mill Test Results

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

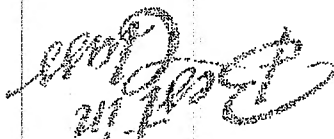
CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement term. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager



CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>



THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
2.50" DIA X 144.000"
PART NO.

PO/Rel I6165

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results
BL PEC-752739-004
14Feb12
Pg 1/1



6870 HIGHWAY 42 EAST

METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

Certificate: 704543 3
Customer: 007206 001
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:
THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 1/23/2012 Page: 1

Steel: 303

Finish: CD

NAS Order: PN 0016898 01

Your Order: PEC2335015

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/05 EN 10204 3.1, ASTM A484/08
AMS 5640U TYPE 1, QQS-764B CONDITION A

REMARKS:

COMPLIES W/REQUIREMENTS OF DEARS EU DIRECTIVE 2002.95.
EC. ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity	Code
BE3252 1		.2500		1,193		144.00	11	1	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C	CO	CR	CU	MM	MO	N	NI	P
B2C8	US	.0423	.1420	17.4495	.3685	1.6930	.3020	.0445	8.4705	.0305
S										

MECHANICAL PROPERTIES

Product Id	Id	HB	.2YS	UTS	RA	Elong
	c	r	KSI	KSI	%	% 2"
BE3252 1	RL	224.00	98.61	114.56	32.78	22.00

NAS hereby certifies that the analysis on this certification is correct and the
material meets the specifications stated.

Technical Dept. Mgr.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511

2.00" DIA X 144.0000"

PART NO:

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

PO/Rel 16165

BL PBC-752739-005

Signed by:

14Feb12 Pg 1/1

Certificate of Mill Test Results

CAN ART
ALUMINUM EXTRUSION INC.

Material Test Report

Customer Ship To:

ThyssenKrupp Materials NA

2821 Langstaff Road

Concord, ON L4K 5G6

Our Order:

846051 - 4

Your PO #

234829

Part #

05849-000-144

Die:

LS05849

Description:

2.000

Alloy Temper

6061 T6511

Print Date:

12/2/2011

Chemical Composition

Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	others	Al
0.40-0.8	0.7 max	0.15-40	0.15 max	0.8-1.2	0.04-0.35	0.25 max	0.15	0.05	0.15
								each	total
									strength

Mechanical Properties

Test (1)	Lot	Test Date	Cast Num	Ultimate	Yield	Elongation	Skid #
21377	B11	11/25/11	15177	49.44	44.49	17.0	5225627
						(2" gage length)	

Applicable Specifications:

ASTM B221-08 QQA200/8

Country of Origin:

428 Jutra Dr, Windsor, Ontario, CANADA N8N 5C5

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Eric Horte - Tensile Testing

Authorized

Lyvan Eng, Quality Assurance Mgr.

THYSSENKRUPP MATERIALS NA

Certificate of Mill Test Results

14Feb12 Pg 1/1

BL PEC-752739-006

Signed by:

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
3.50" DIA X 144.0000"
PART NO.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-234331-1		CUSTOMER PART NUMBER: ALRD00311		PRODUCT DESCRIPTION: 3.500 ROD +/- .012	
KAISER ORDER NUMBER: 606982	LINE ITEM: 001	SHIP DATE: 11/28/2011	KAISER LOT NUMBER: Z00158033	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 3394.000 LB	QUANTITY: 25,000 PCS	B/L NUMBER: 601985	DIA/DIA F/TH/KNS: WIDTH: LENGTH: 12.000 FT		
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00158033	0001	1	52.6	50.0	15.6	N/A	N/A	N/A
Z00158033	0002	1	53.0	49.8	16.8	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101002	.75	.33	.29	.08	.94	.09	.07	.03	.00	.00	.00	.01	.03

Applicable Requirements:

PER ASTM-B221-08, SPECIFIED ASME-SB221 1998 SECT. 1 PER AMS-QQ-A-200/8 UNS#6061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS - 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA METAL IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgment form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Alex Yeh, Quality & Technology Manager

Alex Yeh

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM ROUND BAR 6061-T6511
.375" DIA X 144.0000"
PART NO.

PO/Rel 16165

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-752739-007

14Feb12

Pg 1/1

Signed by:



MILL TEST REPORT

TEL: (416)745-4444 FAX: (416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

BILL TO THYSSENKRUPP MATERIALS NA	Part Code: 1	DIE NUMBER S	DATE OF SHIPMENT 11/22/2011	EXTRUDEX ORDER NO. 140140	MANIFEST NO. 2569333
SHIP TO THYSSENKRUPP MATERIALS NA	CUSTOMER PO PEC-234712	ALLOY 6061	SALESMAN FORBES DODWELL	— 2	
SO DESCRIPTION .375" RD	CUSTOMER PART NUMBER 4-375	TEMPER T6511	PART DESCRIPTION	MADE IN CANADA	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Nov/21/11	43.5	40.5	14.50	90.6, 90.0, 90.2	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Al	Other
A.11 C7331032 6061	0.61	0.17	0.20	0.02	0.86	0.07	0.00	0.01	0.01	0.00	0.00

David Natale

David Natale
Quality Control Manager

1 - CUSTOMER COPY

MILL TEST REPORT

DART aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Tel: 613 632 9577
 Fax: 613 632 1053

PURCHASE ORDER
 Purchase Order ID PO16165
 Purchase Order Date 2/10/12
 PO Print Date 2/10/12
 Page Number 1 of 5


Order From : THYSSENKRUPP MATERIALS CA LTD
 O/A VPK METAL- C/O T727540/PO BOX 4275, POSTAL "A"
 TORONTO, ON M5W 5V8
 CA

Contact Name Buyer
 Vendor Phone 905 669 9444
 Vendor Fax 905 738 9033
 Vendor Account Nbr
 Buyer Chantal Lavoie
 Tax Resale Nbr 10127-2607
 Terms Net 30
 Currency CAD
 FOB Destination-Collect

Ship To : DART AEROSPACE LTD
 1270 ABERDEEN
 HAWKESBURY, ON K6A 1K7
 CANADA

Line Nbr	Reference	Description/	Reg Date/	Reg Qty/	Ship Method	Unit Price	Extended Price
1	M303B1.000X03.000	303 BAR 1" X 3'	2/17/12	8.00	Yours ppd	\$58.1250	\$465.00
Vendor Part Number							
Special Inst: MATERIAL: 303 SS BAR AS PER ASTM A582							
NOTE: 304/316 NOT ACCEPTABLE							
2	M303R0.250	303 Round Bar 0.250"	2/17/12	12.00	Yours ppd	\$2.0833	\$25.00
Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582							
NOTE: 304/316 NOT ACCEPTABLE							
3	M6061T6B2.500X03.500	6061-T6 Bar 2.50 x 3.50	2/17/12	8.00	Yours ppd	\$22.0400	\$176.32
Special Inst: MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582							
NOTE: 304/316 NOT ACCEPTABLE							

Change Nbr: 1
 Change Date: 2/10/12
 No substitution or deviation without consent.
 Certificate of Conformity or Material Certification required when applicable



DART
 Dart Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Tel: 613 632 9577
 Fax: 613 632 1053

PURCHASE ORDER
 Purchase Order ID PO16165
 Purchase Order Date 2/10/12
 PO Print Date 2/10/12

Page Number 2 of 5

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
 O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
 TORONTO, ON M5W 5V8
 CA

Contact Name	905 669 9444	Vendor Phone
Vendor Fax	905 738 9033	Vendor Account Nbr


Buyer	Chantal Lavoie
Requisition Nbr	10127-2607
Tax Resale Nbr	Net 30
Terms	CAD
Currency	Destination-Collect
FOB	

Special Inst: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-200/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221	6061T6 BAR 1.00 X 6.00 2/17/12 Yes 12.00 Yours ppd	\$14,3500 \$172.20
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Special Inst: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-200/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221	6061-T6 Bar .500 x 2.00 2/17/12 Yes 24.00 Yours ppd	\$2,4600 \$59.04
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Special Inst: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-200/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221	6061 0 SHEET .032 2/17/12 No 192.00 Yours ppd	\$1,3542 \$260.00
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Change Nbr: 1 Change Date: 2/10/12 No substitution or deviation without consent. Certificate of Conformity or Material Certification required when applicable	
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DART Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Tel: 613 632 9577
 Fax: 613 632 1053

PURCHASE ORDER
Purchase Order ID P016165

Purchase Order Date 2/10/12
 PO Print Date 2/10/12

Page Number 3 of 5

Order From : VC-COP001
 THYSSENKRUPP MATERIALS CA LTD
 O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
 TORONTO, ON M5W 5V8
 CA

Contact Name	905 669 9444
Vendor Phone	905 738 9033
Vendor Fax	
Vendor Account Nbr	

Buyer	Chantal Lavoie
Requisition Nbr	10127-2607
Tax Resale Nbr	Net 30
Terms	CAD
Currency	Destination-Collect
FOB	

Special Inst: MATERIAL: 6061-OS ALUMINUM SHEET
 AS PER AMS-QQ-A-250/11 OR AMS 4025

7	M6061T6R2.000	013	6061T6 ROUND BAR 2.00	2/17/12	Yes	12.00	f	Yours ppd	\$7.6700	\$92.04
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Special Inst: MATERIAL: 6061-
 T6/T651/T6510/T6511/T62 ALUMINUM
 ROUND BAR
 AS PER QQ-A-225/8 OR AMS-QQ-A-200/8
 OR AMS 4117
 4128/4115/4116 OR QQ-AA-200/8 OR
 AMS-QQ-A-200/8 OR AMS 4160 OR
 ASTM B221 OR ASTM B221


8	M6061T6R3.500	031	6061 RD bar 3.50	2/17/12	Yes	12.00	f	Yours ppd	\$23.5000	\$282.00
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Special Inst: MATERIAL: 6061-
 T6/T651/T6510/T6511/T62 ALUMINUM
 ROUND BAR
 AS PER QQ-A-225/8 OR AMS-QQ-A-200/8
 OR AMS 4117
 4128/4115/4116 OR QQ-AA-200/8 OR
 AMS-QQ-A-200/8 OR AMS 4160 OR
 ASTM B221 OR ASTM B221

9	M6061T6R0.375	012	6061-T6 Round Bar .375"	2/17/12	Yes	24.00	f	Yours ppd	\$1.0417	\$25.00
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2/10/12

Change Nbr: 1	Change Date: 2/10/12	No substitution or deviation without consent. Certificate of Conformity or Material Certification required when applicable
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DART
 Dart Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Tel: 613 632 9577
 Fax: 613 632 1053


Order From :
 THYSSENKRUPP MATERIALS CA LTD
 O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
 TORONTO, ON M5W 5V8
 CA

Contact Name
 Vendor Phone 905 669 9444
 Vendor Fax 905 738 9033
 Vendor Account Nbr

Buyer
 Requisition Nbr
 Tax Resale Nbr
 Terms
 Currency
 FOB

Chantal Laviole
 10127-2607
 Net 30
 CAD
 Destination-Collect

10	M6061T6H0.625	6061-T6 HexBar .625	2/17/12	Yes	12.00	f	Yours ppd	\$3,7500	\$45.00
Special Inst: MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-200/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221									
11	M2024T3H1.375	2024-T3 Hex Bar 1.375"	2/17/12	Yes	12.00	f	Yours ppd	\$17.2500	\$207.00
Special Inst: MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM HEX BAR AS PER QQ-A-225/8 OR AMS-QQ-A-200/8 OR AMS 4117 4128/4115/4116 OR QQ-AA-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221									
12	M2024T3R1.250	2024-T3 Round Bar 1.250"	2/17/12	Yes	12.00	f	Yours ppd	\$8.2500	\$99.00
Special Inst: MATERIAL: 2024-T3/T3511 HEXAGONAL ALUMINUM BAR AS PER AMS-QQ-A-200/3 OR AMS 4152/4164/4165									



DART
 Dart Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Tel: 613 632 9577
 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO16165**

Purchase Order Date 2/10/12
 PO Print Date 2/10/12

Page Number 5 of 5

Order From :
 THYSSENKRUPP MATERIALS CA LTD
 O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
 TORONTO, ON M5W 5V8
 CA

Buyer
 Chantal Lavoye

Requisition Nbr
 10127-2607

Tax Resale Nbr
 Net 30

Terms
 CAD

Currency
 Destination-Collect

FOB

Contact Name
 Vendor Phone
 Vendor Fax
 Vendor Account Nbr

905 669 9444
 905 738 9033

13	M2024T3R1.875	2024 T3 ROUND BAR	2/17/12	12.00	Yours ppd	\$15.8700	\$190.44	
Special Inst: MATERIAL: 2024-T3/T3510/T3511 ALUMINUM ROUND BAR AS PER AMS-QQ-A-200/3 OR AMS 4152/4164/4165								
			Yes		F			
Special Inst: MATERIAL: 2024-T3/T3510/T3511 ALUMINUM ROUND BAR AS PER AMS-QQ-A-200/3 OR AMS 4152/4164/4165								
PO Total: \$2,098.04								

MATERIAL CERTIFICATION
 READ UPON DELIVERY

Change Nbr: 1
 Change Date: 2/10/12

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 consent.
 Certificate of Conformity or Material
 Certification required when applicable

